

The following Listing of Claims will replace all prior versions, and listings, of claims in the application.

LISTING OF CLAIMS:

1. (Previously Presented) An impeller of a centrifugal fan comprising:
a main plate configured to rotate around a rotating shaft;
a plurality of hollow blades annularly disposed around the rotating shaft, each of the hollow blades including a first surface portion integrally molded with or fixed to the main plate and a second surface portion attached to the first surface portion, the first and second surface portions forming a hollow space; and
a side plate integrally molded with or fixed to the first surface portions,
the hollow blades being disposed between the main plate and the side plate,
the main plate, the hollow blades and the side plate being configured to take in a gas from a rotating shaft direction and blow out the gas in a direction intersecting the rotating shaft, and
each of the second surface portions forming at least part of a negative-pressure surface.
2. (Previously Presented) An impeller of a centrifugal fan comprising:
a main plate configured to rotate around a rotating shaft;
a plurality of hollow blades annularly disposed around the rotating shaft, each of the hollow blades including a first surface portion integrally molded with or fixed to the main plate and a second surface portion attached to the first surface portion, the first and second surface portions forming a hollow space; and
a side plate integrally molded with or fixed to the first surface portions,
the hollow blades being disposed between the main plate and the side plate,
the main plate, the hollow blades and the side plate being configured to take in a gas from a rotating shaft direction and blow out the gas in a direction intersecting the rotating shaft, and
the second surface portion being configured to remain attached to the first surface portion while a centrifugal force resulting from the rotation of the main plate acts thereon.

3. (Previously Presented) The impeller of claim 1, wherein the second surface portion is attached to the first surface portion by inserting a portion of the second surface portion into the first surface portion.
4. (Previously Presented) The impeller of claim 1, wherein the first surface portions and the side plate are separately molded.
5. (Previously Presented) The impeller of claim 4, wherein the first surface portions are fixed to the side plate by laser welding.
6. (Previously Presented) The impeller of claim 5, wherein the side plate includes a material with a higher light transmittance than a material of the first surface portions.
7. (Previously Presented) The impeller of claim 4, further comprising a side plate-side guide mechanism to position the hollow blades in the side plate.
8. (Previously Presented) The impeller of claim 1, wherein the first surface portions and the main plate are separately molded.
9. (Previously Presented) The impeller of claim 8, wherein the first surface portions are fixed to the main plate by laser welding.
10. (Previously Presented) The impeller of claim 9, wherein the main plate includes a material with a higher light transmittance than a material of the first surface portions.
11. (Previously Presented) The impeller of claim 8, further comprising a main plate-side guide mechanism to position the hollow blades in the main plate.
12. (Previously Presented) The impeller of claim 1, wherein

the hollow blades include a blade shape retaining mechanism to prevent the second surface portions from being deformed toward outer peripheral sides of the second surface portions by a centrifugal force.

13. (Withdrawn) The impeller of claim 1, wherein
the second surface portions include plural concavo-convexities formed in surfaces of
the second surface portions.

14. (Previously Presented) A centrifugal fan comprising:
the impeller of claim 1; and
a drive mechanism configured to rotate the main plate.

15. (Previously Presented) The impeller of claim 2, wherein
the first surface portions and the side plate are separately molded.

16. (Previously Presented) The impeller of claim 15, wherein
the first surface portions are fixed to the side plate by laser welding.

17. (Previously Presented) The impeller of claim 16, wherein
the side plate includes a material with a higher light transmittance than a material of
the first surface portions.

18. (Previously Presented) The impeller of claim 2, wherein
the first surface portions and the main plate are separately molded.

19. (Previously Presented) The impeller of claim 18, wherein
the first surface portions are fixed to the main plate by laser welding.

20. (Previously Presented) The impeller of claim 19, wherein
the main plate includes a material with a higher light transmittance than a
material of the first surface portions.

21. (Previously Presented) The impeller of claim 1, wherein the first surface portion forms at least part of a positive pressure surface.

22. (Previously Presented) The impeller of claim 2, wherein the first surface portion forms at least part of a positive pressure surface.